

NE MEXICO OIL CONSERVATION COMMISS N
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 2/4/67	
Company Robert A. Dean				Connection None			
Pool West Meca				Formation Upper Gueson			
Completion Date 1/29/67		Total Depth 3660		Plug Back TD 3430		Elevation 4387 GL	
Farm or Lease Name Southern Union 13 Street							
Csq. Size 4 1/2	Wt. 9.5	d 4.090	Set At 3679	Perforations: From 3358 To 3370		Well No. 1	
Tbg. Size 2 3/8	Wt. 4.70	d 1.995	Set At 3368	Perforations: From To 		Unit J Sec. 13 Twp. 16S Rge. 31E	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		County Eddy	
Producing Thru Tubing		Reservoir Temp. °F 600		Mean Annual Temp. °F 600		Baro. Press. - P _s 13.2	
State New Mexico							
L 	H 	Gg .845	% CO ₂ 0	% N ₂ 51.5	% H ₂ S 0	Prover X	Meter Run Taps

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI							633	74	833		120
1.	2		1/8	729		69	722	69	730		1
2.	2		3/16	653		68	653	68	655		1
3.	2		1/4	520		65	520	68	515		1
4.	2		3/8	330		63	330	68	331		1
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	.2613		712.2	.9515	1.003	1.031	219
2	.4082		653.2	.9324	1.003	1.039	450
3	1.067		520.2	.9224	1.003	1.033	610
4	2.378		343.2	.9324	1.003	1.025	824
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio None Mcf/bbl.	A.P.I. Gravity of Liquid Hydrocarbons Deg.
1	1.27	529	1.79	.910	Specific Gravity Separator Gas .345 X X X X X X X X	
2	1.14	528	1.78	.911	Specific Gravity Flowing Fluid X X X X X	
3	0.91	528	1.78	.956	Critical Pressure 583 P.S.I.A.	P.S.I.A.
4	0.59	523	1.78	.970	Critical Temperature 296 R	R
5						

NO.	P _r ²	P _w	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 1.975$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.672$
1		763.2	582.5	133.6		
2		673.2	460.0	256.1		
3		559.2	312.7	423.4		
4		394.2	155.4	560.7		
5						

Absolute Open Flow 1070 Mcfd @ 15.025				Angle of Slope θ 		Slope, n .60	
Remarks: Amended C-122							

Approved By Commission: 	Conducted By: J. L. Smith	Calculated By: 	Checked By:
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